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4. (Amended) An interface unit as claimed in claim 1 wherein said unit electrical connectors are disposed at an outer surface, and wherein said interface unit further comprises at least one label layer placeable over said outer surface and carrying visible indications of said interconnections to form said configuration, and wherein said signal generator emits said output signal containing information unique to said label layer.

Claim 8 has been amended as follows:

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8. (Amended) An interface unit as claimed in claim 1 wherein said signal generator generates said output signal containing a protocol for said mating configuration among said sensor and unit connectors.

Claim 9 has been amended as follows:

9. (Amended) An interface unit as claimed in claim 1 wherein said signal generator emits said output signal containing at least a portion of an electrophysiology examination set-up protocol.

Claim 10 has been amended as follows:

10. (Amended) An electrophysiology measurement system comprising:  
a plurality of catheter-mounted sensors respectively having sensor electrical connectors associated therewith;  
a monitoring system for analyzing signals from said sensors; and  
at least one interface unit connected between said sensors and said monitoring system, said interface unit having a plurality of unit electrical connectors respectively receiving a one of said sensor connectors in a mating configuration and containing an arrangement defining interconnections among said unit connectors, said arrangement being in communication with said monitoring system, and said interface unit further having a signal generator connected to said arrangement for generating an output signal unique to and originating from the interface unit, designating said configuration and being supplied to the monitoring system via said arrangement, said output signal modifying operation of said monitoring system dependent on said information.